

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/524,152A
Source: PCT
Date Processed by STIC: 2/7/06

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 02/07/2006
 PATENT APPLICATION: US/10/524,152A TIME: 12:50:50

Input Set : A:\Sequence Listing 4126-4025.txt
 Output Set: N:\CRF4\02012006\J524152A.raw

3 <110> APPLICANT: Pharma Mar, S.A.U.
 4 Perez Esteban, Beatriz
 6 <120> TITLE OF INVENTION: Sequences From An Endosymbiont And Their Uses
 8 <130> FILE REFERENCE: 4126-4025
 10 <140> CURRENT APPLICATION NUMBER: US 10/524,152A
 11 <141> CURRENT FILING DATE: 2005-02-11
 13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/003538
 14 <151> PRIOR FILING DATE: 2003-08-13
 16 <160> NUMBER OF SEQ ID NOS: 14
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1502
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Candidatus Endoecteinascidia frumentensis
 25 <400> SEQUENCE: 1
 26 atgaattctg gtggcactgc ttaacacatg caagtcgaac ggtaacataa taaatgtttt 60
 28 ttacatttat ggatgacgag tggcggacgg gtgagtaacg cgtaggaacc taccttttag 120
 30 tggggatag cagtggaaa ctactggtaa taccgcata tacttttagag ttaaaaactag 180
 32 ctgaattta tagctgtgc taaaagacgg gcctgcgtta gattagctt tggttaaggt 240
 34 aacggcttac caaggcaacg atctatacg tttctgagag gaagatcagc cacactggga 300
 36 ctgagatacg gcccagactc ctacgggagg cagcagtggg gaatattgga caatggcgg 360
 38 aagcctgatc cagcaatgcc acgtgtgtga agaaggcctt cgggttgtaa agcactttta 420
 40 ttagcgaaga agatataatg gttaaagagct taatataattt gacgttagct aaagaaaaag 480
 42 caccggctaa ctccgtgcca gcagccgcgg taatacggag ggtgcaagcg ttaatcgaa 540
 44 ttattggcgt taaaagagcctt gtaggtggat aattaagtca gatgtgaaat cccaaagcctt 600
 46 aactttggaa ctgcatttga aactaattat cttagtata gtagagggtt gaggaaatttc 660
 48 cggtagcg gtgaaatgcg tagagatcgg aaggaacatc agtggcgaag gcgtctacct 720
 50 gggactaaaa ctgacactga gaggcgaaag catggggagc aaacaggatt agataccctg 780
 52 gtagtccatg ccgtaaacta tgagtactaa ctgttggat ttttaattt tagtagtgga 840
 54 gctaacgcaa taagtactcc gcctggggat tacggccgca aggctaaaac tcaaaggaaat 900
 56 tgacgggggc ccgcacaagc ggtggagcat gtggttaat tcgatgcaac gcgaaaaacc 960
 58 ttacctactc ttgaaatcct tcgtactta tagagatata aaggtgcctt tggAACGAAG 1020
 60 tgacagggtgc tgcatggctg tcgtcagctc gtgtcgtgag atgttgggtt aagtcccgta 1080
 62 acgagcgc当地 ccctttccct tagttgccag cgtgtaaaga cggggactct gaggggactg 1140
 64 ccgggtataa accggaggaa ggcgaggacg acgtcaagtc atcatggtcc ttacgacttag 1200
 66 ggctacacac gtgctacaat ggtatgtaca aaggaggca aaattgtaaa atctagcaa 1260
 68 tccccaaaag catabcttag tccggattga agtctgcaac tcgacttcat gaagttggaa 1320
 70 tcgcttagtaa tcgcaatca gcatgtcggt gtgaatacgt tcccggccct tgcacacacc 1380
 72 gcccgtcaca ccacggaaat ggaatgcacc agaagtggctt aggataaccg aaaggagtc 1440
 74 ggtccctacg gtgtgtttcg taactgggtt gaagtcgtaa caaggtagcc gttagggact 1500
 76 gc
 79 <210> SEQ ID NO: 2
 80 <211> LENGTH: 32

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81 <212> TYPE: DNA
 82 <213> ORGANISM: Artificial Sequence
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: EFRU-F1
 87 <400> SEQUENCE: 2
 88 cggtaacata ataaaatgttt tttacattta tg 32
 91 <210> SEQ ID NO: 3
 92 <211> LENGTH: 25
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial Sequence
 96 <220> FEATURE:
 97 <223> OTHER INFORMATION: EFRU-R1
 99 <400> SEQUENCE: 3
 100 tatgctttg gggatttgct agatt 25
 103 <210> SEQ ID NO: 4
 104 <211> LENGTH: 20
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial Sequence
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: EFRU-R2
 111 <400> SEQUENCE: 4
 112 ctttcggta tcctagccac 20
 115 <210> SEQ ID NO: 5
 116 <211> LENGTH: 23
 117 <212> TYPE: DNA
 118 <213> ORGANISM: Artificial Sequence
 120 <220> FEATURE:
 121 <223> OTHER INFORMATION: Type III-1
 123 <400> SEQUENCE: 5
 124 gcaactattt ctagctgtta ttc 23
 127 <210> SEQ ID NO: 6
 128 <211> LENGTH: 21
 129 <212> TYPE: DNA
 130 <213> ORGANISM: Artificial Sequence
 132 <220> FEATURE:
 133 <223> OTHER INFORMATION: Type III-4
 135 <400> SEQUENCE: 6
 136 agctttgcac tggatgtcaa g 21
 139 <210> SEQ ID NO: 7
 140 <211> LENGTH: 18
 141 <212> TYPE: DNA
 142 <213> ORGANISM: Artificial Sequence
 144 <220> FEATURE:
 145 <223> OTHER INFORMATION: EUB338
 147 <400> SEQUENCE: 7
 148 gctgcctccc gtaggagt 18
 151 <210> SEQ ID NO: 8
 152 <211> LENGTH: 18
 153 <212> TYPE: DNA

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Input Set : A:\Sequence Listing 4126-4025.txt

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154 <213> ORGANISM: Artificial Sequence
 156 <220> FEATURE:
 157 <223> OTHER INFORMATION: Non-EUB338
 159 <400> SEQUENCE: 8
 160 actcctacgg gaggcagc
 163 <210> SEQ ID NO: 9
 164 <211> LENGTH: 20
 165 <212> TYPE: DNA
 166 <213> ORGANISM: Artificial Sequence
 168 <220> FEATURE:
 169 <223> OTHER INFORMATION: EUB8-f
 172 <220> FEATURE:
 173 <221> NAME/KEY: misc_feature
 174 <222> LOCATION: (3)..(3)
 175 <223> OTHER INFORMATION: N is A or G
 177 <220> FEATURE:
 178 <221> NAME/KEY: misc_feature
 179 <222> LOCATION: (12)..(12)
 180 <223> OTHER INFORMATION: N is A or C
 182 <400> SEQUENCE: 9

18

-> 183 agngtttgat cttggctcag

20

186 <210> SEQ ID NO: 10
 187 <211> LENGTH: 18
 188 <212> TYPE: DNA
 189 <213> ORGANISM: Artificial Sequence
 191 <220> FEATURE:
 192 <223> OTHER INFORMATION: EUB1509-r
 195 <220> FEATURE:
 196 <221> NAME/KEY: misc_feature
 197 <222> LOCATION: (2)..(2)
 198 <223> OTHER INFORMATION: N is G or T
 200 <400> SEQUENCE: 10

18

-> 201 gntacccgtt tacgactt

204 <210> SEQ ID NO: 11
 205 <211> LENGTH: 21
 206 <212> TYPE: DNA
 207 <213> ORGANISM: Artificial Sequence
 209 <220> FEATURE:
 210 <223> OTHER INFORMATION: 16S-F1
 213 <220> FEATURE:
 214 <221> NAME/KEY: misc_feature
 215 <222> LOCATION: (5)..(5)
 216 <223> OTHER INFORMATION: N is G or C
 218 <220> FEATURE:
 219 <221> NAME/KEY: misc_feature
 220 <222> LOCATION: (13)..(13)
 221 <223> OTHER INFORMATION: N is A, C, or T
 223 <400> SEQUENCE: 11

21

-> 224 gagantttga tcntggctcag

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Input Set : A:\Sequence Listing 4126-4025.txt

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227 <210> SEQ ID NO: 12
228 <211> LENGTH: 17
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: 1600R
235 <400> SEQUENCE: 12
236 aaggagggtga tccagcc 17
239 <210> SEQ ID NO: 13
240 <211> LENGTH: 17
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: M13/pUC-f
247 <400> SEQUENCE: 13
248 gttttcccaag tcacgac 17
251 <210> SEQ ID NO: 14
252 <211> LENGTH: 17
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: M13/pUC-r
259 <400> SEQUENCE: 14
260 cagaaacag ctatgac 17

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/07/2006
PATENT APPLICATION: US/10/524,152A TIME: 12:50:51

Input Set : A:\Sequence Listing 4126-4025.txt
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Please Note:

3 of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

J#:9; N Pos. 3,12

J#:10; N Pos. 2

J#:11; N Pos. 5,13

VERIFICATION SUMMARY

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Input Set : A:\Sequence Listing 4126-4025.txt

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183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0